

# Cisco Prime Optical



## What Is the Value of Cisco Prime Optical?

Cisco Prime™ Optical is a carrier-class, multitechnology solution that integrates the end-to-end management of traditional optical networks and new carrier packet transport (CPT) networks. It is available as a standalone product or as a component of the Cisco Prime Carrier Management suite that drastically simplifies the design, provisioning, and management of carrier-grade networks.

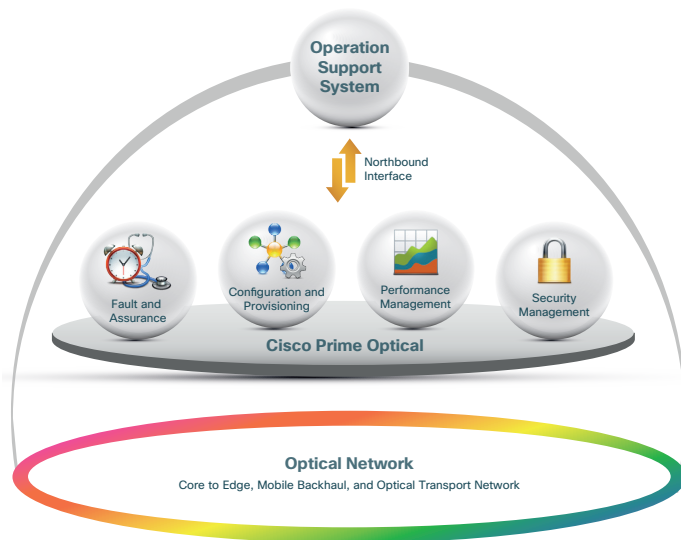
Cisco Prime Optical manages the entire Cisco® optical portfolio, supporting:

- Metro core, access, and edge products
- Legacy time-division multiplexing (TDM) and dense wavelength-division multiplexing (DWDM) technologies
- CPT system products

## What Problems Does It Help Solve?

With the transition from TDM-based networks to packet transport, service providers around the world are facing tough operational challenges to meet the exponential growth in demand and changing market requirements. To help ensure profitability, business agility, and quality of service (QoS), they need a management system equipped to efficiently handle disparate technologies and devices that make up this complex and ever-evolving optical network. Cisco Prime Optical meets these challenges. See Figure 1.

Figure 1. Cisco Prime Optical Functions



## Cisco Prime Optical

Cisco Prime Optical provides:

- An intuitive GUI (consistent across the Cisco Prime Carrier Management suite) that promotes operator productivity and reduces training efforts
- Converged support for TDM, Wavelength Switched Optical Networks (WSON), DWDM, and Synchronous Optical Networks Synchronous Digital Hierarchy (SONET/SDH)
- Standards-compliant (CORBA TMF 814 v.3) northbound interfaces (NBIs) that enable fast and easy integration with third-party operations support system (OSS) software
- Topology maps that display an accurate inventory of both optical and packet network devices and allow detailed drill-down to each device
- Scalability with support for up to 5000 optical network elements (NEs)
- Support for virtual machines, Linux and Cisco Unified Computing System™ (Cisco UCS®)

## What Are the Benefits of Cisco Prime Optical?

- **Business agility:** Accelerates time to market of value added services including voice, video, and on-demand content delivery through operational scale and efficiency in network discovery, configuration, provisioning, troubleshooting, and change management
- **Service assurance:** Helps enable rapid resolution of network issues through advanced fault diagnostics, real-time service-level agreement (SLA) performance monitoring, and security management
- **Lower total cost of ownership (TCO):** Reduces both capital expenditures (CapEx) and operating expenses (OpEx) through turnkey integration with the other components of the Cisco Prime Carrier Management suite as well as standards-based interfaces to third-party OSS applications

## Why Cisco?

The Cisco Prime portfolio of IT and service provider management offerings empowers organizations to more effectively manage their networks and the services they deliver. Built on a service-centered foundation, Cisco Prime supports integrated lifecycle management through an intuitive workflow-oriented user experience, providing A-to-Z management for evolved programmable networks (EPNs), mobility, video, cloud, and managed services.

For more information about Cisco Prime Optical, contact your local account representatives or visit the overview at [www.cisco.com/go/primeoptical](http://www.cisco.com/go/primeoptical)